

ABSTRACT

A multiband antenna has a lower radiator and several upper radiators, all of which are spaced from each other and disposed on the same longitudinal axis. The lower radiator and the upper radiators form a dipole radiator that resonates in a lower frequency band. The upper radiators form a dipole radiator that resonates in a higher frequency band. Multiple isolation circuits in the upper radiators resonate at different frequencies within the lower frequency band.